PONY

سلسلة كتب الأستاذ

ICT

Final Revision

4th Primary

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Summary Unit 1 Final Revision

Lesson 1

» Important Exploration Tools:

1. Rover C4:
   - It's a developed metal detector and 3D ground scanner.
   - It's used to search for metals and treasures underground.
   - It creates 3D images of scanned areas to identify the location and depth of potential targets.
2. GPR: It uses the radar to detect objects buried underground.
3. Magnetometer: It measures the magnetic field and detects metals under the ground.
4. GPS: It uses satellites to find locations.

Lesson 2

» Computers: They're electronic devices that store, process, and restore data.

» Computers are important to write documents, create presentations, create videos, browse the Internet, and play games.

» Computers devices come in different sizes and shapes:

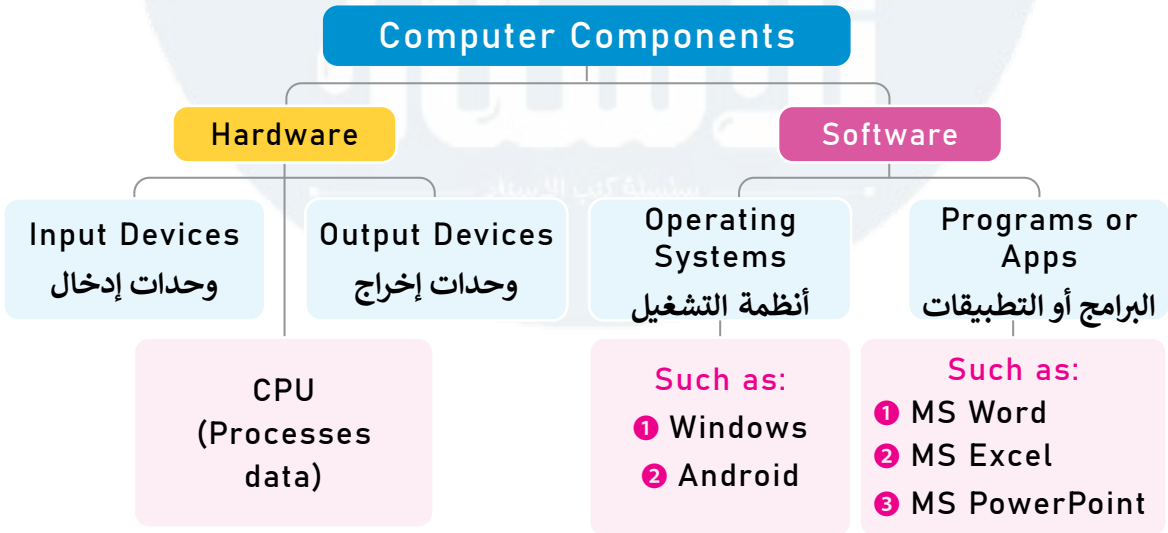
Input Devices		Output Devices	
1 Keyboard	• To type letters and numbers.	1 Screen	• Shows what you are doing on the computer.
2 Mouse	• To select and move things easily.	2 Speaker	• To output sound.
3 Camera	• To input images or videos into the computer.	3 Printer	• To output texts or images from your computer on paper.

4 Microphone	• To input sound, audio, and music into the computer.	4 Braille terminal	• It allows blind people to use computers.
5 Touch Screen	• It allows the user to move things on the computer.	5 Speech synthesizer	• It allows non-verbal people to speak. (How?) • It changes text to speech.

Notes:

- A touch screen can be used as an input device and an output device.
- The most important element of the computer system is you, the user.

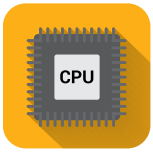
Lesson 3



Types of software:

1. Operation system:
   - (Like Windows) It opens and runs the program you want to use.
2. Programs: (Like MS Word) It's used to write a school report.

The CPU: It is a type of hardware used to process data.



Note:

- It is important to save your work regularly.

Lesson 4

» Assistive Technology: It helps people of determination (disabilities) with tasks that they find difficult to do.

Assistive Technology	Function
• Screen magnification software	• It helps people with visual impairments. • It enlarges everything on the computer screen.
• Hearing Aids	• They help people with hearing difficulties. • Modern versions come with apps that are connected to mobiles.
• Alternate communication software	• It helps people with speech or language difficulties. • Example: text-to-speech software
• Paraclimbing tools	• They help individuals who lost limbs or have mobility impairments to climb.

Lesson 5

» ICT tools might have a temporary breakdown or failure.

1. If an app doesn't open: Restart → Check for updates → Uninstall & reinstall the app.
2. If the mouse/keyboard doesn't work: Make sure it is connected correctly, then restart → Replace the mouse/keyboard with a new one.
3. If your screen freezes: Press "Alt + Ctrl + Del" → Restart.
4. If you can't find a file: Use the Search Box in the Start menu.

Notes:

1. Restarting a device can often solve many common ICT problems.
2. If you have tried but can't solve the problem, the last step is to ask your teacher or family for help.

Lesson 6

- Scientists and archaeologists can solve problems by collecting, analyzing, and graphing data
- Sources of collecting data:
  1. Books "digital or printed"
  2. Surveys
  3. Experiments "at labs"
  4. Records
- Analyzing data:
  - It includes reviewing and interpreting the collected data.
  - The best way to interpret a lot of data is to look for trends (recurring patterns) in the information.
  - Microsoft Excel is one of the best programs to analyze data.
- Graphing data:
  - A common graph is a bar (column) graph.

Summary Unit 2 Final Revision

Lesson 1

- People can communicate through:
  1. Instant messages
  2. Emails
  3. Direct messages
  4. Forums
- Personal information: It includes your name, address, school name, and date of birth.
- Be kind with others.
- Never share any personal information unless you ask your teacher or a family member first.
- Don't click on links that you are unsure of.
- If you view an inappropriate site:
  1. Leave the site.
  2. Tell your teacher or a family member.
- Check the website and the link before you download a file. It may have a virus that damages your device or tracks your information.
- If you are not sure of the website and link, don't download the file.
- Check your privacy settings on social media sites.

Lesson 2

- When you tag someone, you identify that person in the post.
- Make sure you respect the people you tag by asking your friends first if they agree to be tagged before you post.
- It is important to credit the sources of the information you share.
- Banned sites may publish inaccurate, immoral, and harmful material.
  1. Don't go on banned sites.
  2. Ask your teacher or a family member before you go on a new site.

- The Positive effect of ICT: Information can be accessed easily.
- The Negative effects of ICT:
  1. You may come across something online that upsets you.
  2. Eye strain and headaches.
  3. Some search results don't always give the right answer.

Lesson 3

- Choose browsers that warn users before they enter an unsafe site or download a harmful app.
- If you get a warning message:
  1. Avoid dealing with that site again.
  2. Talk to your teacher or a family member.
- Some browsers have search engines set up just for children:
  1. They show only results that are age-appropriate.
  2. They also include a parental control app.
  3. They include helpful safety tips for children.
- There are websites that include filters to avoid inappropriate videos.
- You can search smartly using words or images.
- If you are looking for information about an image, you can search by the image.
- Putting the (+) sign before a word: to include the word.
- Putting the (-) sign before the word: to avoid the word.
- Putting a phrase inside the quotation marks " " narrows your search to the exact result.

Lesson 4

- **Bullying:**
  It's when someone repeatedly posts or sends hurtful messages about you.
- **How to avoid online bullying:**
  1. Block the person who is bullying you.
  2. Ask your teacher or a family member for help.
  3. Contact the Department of Combating Internet Crimes.
- **Internet problems are common, so:**
  1. You must always protect your personal data.
  2. Do not deal with unknown people.
  3. Ask a family member for help.

Lesson 5

- It is important to have strong passwords.
- **To create a strong password:**
  1. Use different passwords for your accounts.
  2. Use a password manager or a list to remember your passwords.
  3. A password shouldn't include personal details.
  4. It should include at least 8 characters.
  5. It should include letters, numbers, and special characters (#,@).
- You should use antivirus software to protect your devices because it can do the following:
  1. It catches (detects) viruses and harmful programs.
  2. It can also fix damaged files.

Lesson 6

- To create a digital report you can use:

1 PowerPoint:

- The PowerPoint program is used to create presentations.
- You can add text, pictures, and fun sound effects to your digital report.
- You can present your information in a clear and attractive way.

2 Video Conference:

- It allows real-time (instant) communication between people using computer accessories, such as a camera and microphone.
- There are many devices that come with a built-in camera, such as portable devices: laptops, mobile phones, and tablets.

3 Poster:

- You can create a poster that includes the report you have prepared.
- When preparing the poster, choose fun colors, drawings, photos, and cutouts.
- Make sure the text is easy to read.
- Make sure the font sizes of headings and subheadings are consistent.
- Always remember to credit the sources of the information you obtained.

Questions Final Revision

1 Choose the correct answer from the following:

1. If a student wants to find a museum location, he can use ..... .
   a. Rover C4 b. GPR c. GPS d. Excel
2. Modern hearing aids can be connected to ..... .
   a. Routers b. Satellites c. Mobile devices d. Speakers
3. PowerPoint allows you to create .....
   a. presentation b. Voice call
   c. Video conference d. EmailThe operating system
4. communicates with the ..... to process data.
   a. Keyboard b. CPU c. Mouse d. Printer
5. A person with limb differences can climb mountains using ..... .
   a. GPS b. Screen magnifier
   c. Paraclimbing tools d. Mouse
6. ..... is the program that used to create attractive presentation.
   a. Word b. Excel c. PowerPoint d. Paint
7. ..... is an input device
   a. printer b. speaker c. microphone d. screen
8. .....is an output device .
   a. mouse b. Keyboard c. camera d. Braille terminal
9. You can protect your personal accounts on the Internet by creating .....
   a. Strong password b. Home
   c. Personal information d. Date of birth
10. The ..... enables you to enter photos into the computer.
    a. screen b. speaker c. camera d. mouse
11. If a video file was sent by an unknown person on your social media account, you must ..... .
    a. download the file to watch it
    b. tell your parents and don't open the file
    c. tell your friends
    d. open the file first, then tell your parent

12 The best way to interpret a lot of data is to look for .....
a. records b. surveys c. trends d. interviews

13 ..... It enables someone to access your computer through the Internet
a. Curiosity b. Sharing c. Hacking d. Bullying

14 ..... sites may publish inaccurate and harmful material.
a. Scientific b. Trusted c. Banned d. Educational

15 The first step of solving any problem is ..... the data.
a. graphing b. collecting c. analyzing d. reviewing

16 Before downloading any file, always check the ..... is trusted.
a. file size b. website c. speed d. file name

17 which of the following programs do you prefer to create a graph?
a. PowerPoint b. Paint c. Word d. Excel

18 If someone sent you a friend request on a social networking site, you must ..... .
a. close the device b. delete the friend request
c. check his identity d. data theft

19 A negative consequence of using ICT tools is ..... .
a. getting eye strain b. headache
c. both a and b d. sharing data

20 After analyzing the data, you can ..... it.
a. collect b. share c. graph d. send

21 ..... is the feature used to mention one of your friends on social media sites.
a. Like b. Send c. Tag d. Data theft

22 Be careful when downloading a file because viruses can .....
a. protect your information b. track your information
c. clean your computer d. improve your device speed

23 The ..... converts text into speech to help non-verbal people.
a. Camera b. Printer
c. Speech synthesizer d. Mouse

24 Touchscreen devices can work as ..... .
a. Input devices b. Output devices
c. Both a and b d. none of them

25 The most important element of the computer system is the ..... .
a. CPU b. Printer c. User d. Speaker

26 The CPU is a part of the ..... .
a. Hardware b. Software c. Application d. Network

27 ..... is an example of an operating system.
a. MS Word b. PowerPoint c. Windows d. Paint

28 When you type on the keyboard, the ..... sends data to the CPU.
a. Mouse b. CPU
c. Operating System d. Router

29 The software used to write and format text is ..... .
a. Word b. Excel c. PowerPoint d. GPS

30 Assistive technology helps ..... .
a. Scientists b. Engineers
c. People of determination d. Gamers

31 ..... is used by people with poor vision to enlarge the screen.
a. Hearing aids b. Screen magnification software
c. Microphone d. Braille

32 ..... helps people with speech disabilities communicate.
a. GPS b. Alternate communication software
c. GPR d. Keyboard

33 Before you show your results on charts, you should ..... .
a. share them online with others b. analyze them
c. remove them d. delete them

34 If you view an inappropriate site, what should you do?
a. stop using technology. b. Keep the site open.
c. Open the site again. d. Leave the site.

35 Spending too much time using technology causes ..... .
a. permanent activity b. positive results
c. eye strain d. privacy

36 Viruses can .....
a. damage your file b. damage the mouse
c. connect to the Internet d. help your files

37 Accessing information with just a click of the mouse is from the ..... of using ICT tools.
a. positives b. negatives c. dangers d. none of them

38 Before posting any information on social media, ask yourself ..... ?
a. Do you harm anyone b. Is this post kind
c. Is this content good d. All of them

39 The best way to collect information is getting it from .....
a. Facebook b. books c. WhatsApp d. trends

40 Saving a file from the Internet to your computer is called ..... .
a. share b. download c. upload d. block

41 ..... is when a person behaves badly towards another person repeatedly
a. Critical thinking b. Bullying
c. Collaborative d. Experiments exchange

42 Banned websites may contain ..... content.
a. inaccurate b. unethical c. harmful d. all of them

43 Scientists use ..... to detect metals and treasures underground.
a. GPS b. Satellites c. Rover C4 d. Touchscreen

44 ..... is someone using your personal information and social media accounts without permission.
a. Identity theft B. Experiments exchange
C. Collaborative D. Critical thinking

45 The ..... uses radar to find objects buried under the ground.
a. Magnetometer b. GPR c. GPS d. Braille terminal

46 The ..... measures the magnetic field.
a. Magnetometer b. GPR c. GPS d. Screen

47 The Global Positioning System (GPS) depends on ..... .
a. Radar b. Satellites c. Magnets d. Wires

48 The ..... can create 3D images of objects underground.
a. Rover C4 b. GPS c. Excel d. GPR

49 When unknown person sent you a warning message via internet, you must .....
a. Ask for parent help b. Send a friend request to the sender
c. Open the message d. Publish that message on the internet

50 Rover C4 allows scientists to determine..... of the object .
a. location b. depth c. size d. both a and b

51 The computer is an electronic device that can ..... .
a. Store data b. Process data c. Retrieve data d. All of them

52 The sign ..... is used while searching on the internet before words that you want to avoid (exclude) in search results.
a. (-) b. (#) c. (+) d. (/)

53 The device used to enter sound into a computer is the ..... .
a. Speaker b. Microphone c. Screen d. Keyboard

54 The ..... allows blind people to use the computer.
a. Braille terminal b. Speaker
c. Keyboard d. CPU

55 You can solve the problem of the screen stopping by pressing the keys .....
a. Del + Tab + Shift b. Alt+ Del + Tab
C. Del+Alt+Ctrl d. Tab + Shift

56 .....Is repeated un kind behavior towards someone.
a. Curiosity b. Sharing c. Piracy/Hacking d. Bullying

57 Enables you to limit the search results .....
a. + b. “ “ c. & d. -

58 People who have trouble hearing use.....
a. hearing aids b. screen zoom c. sporting tools d. Sharing

59 The ..... Is used to input letters into the computer.
a. screen b. speaker c. camera d. keyboard

60 A driver can easily reach a place they are visiting for the first time by using.....
a. Ground-penetrating radar b. Magnetometer
C. GPS d. Rover C4

61 ..... is one of the output devices in a computer.
a. mouse b. Keyboard C. Microphone d. Screen

62 ..... are devices that output information from the computer.
a. Output devices b. Input devices
C. Software d. Games

63 ..... processes data.
a. Central Processing Unit (CPU) b. Input devices
C. Output devices d. Speaker

64 To search for a picture, we must search in the ..... folder.
a. mouse b. pictures folder
c. documents folder d. screen

65 One possible solution to a keyboard not responding is .....
a. Try doing a search using the search box
b. Check the keyboard cable is connected
c. documents folder d. screen

66 ..... is a software program used for writing reports on a computer.
a. Microsoft Word b. Input devices
C. Output devices d. device

67 One of the devices that the Word processing software needs to write on your computer is the.....
a. keyboard b. printer c. speakers d. data theft

68 When there's a problem opening one of the apps on your computer, you might need to.....
a. restart your device b. replace the mouse
c. replace the keyboard d. steal the data

69 The advantages of ICT tools include.....
a. bullying your friends b. helping people of determination
c. the excess usage of electronic devices
d. data theft

70 The program protects your devices from risks that may harm it.
a. Word b. PowerPoint c. antivirus d. data theft

71 Information is considered the processing product of .....
a. data b. digital blogs c. emails d. data theft

72 Press "Alt + Ctrl + Del" buttons when.....
a. an app won't open b. the screen freezes
c. you can't find a file d. searching

73 If someone makes you feel unsafe, you can.....
a. tag b. block c. communicate d. share

74 ..... Can damage your computer
a. screen b. speaker c. viruses d. keyboard

75 The password ..... considered a strong password.
a. 12344 b. 753Qb35$Z2@ c. 123456 d.abc123

76 A..... is common graph for presenting information.
a. Pie graph b. Emile c. circle d. bar graph

77 ..... Helps people with disabilities to do their daily tasks.
a. Assistive technology b. speaker
c. viruses d. keyboard

78 Microsoft word is a type of computer .....
a. Game b. software c. hardware d. some

79 ..... are used to communicate with others .
a. Emails b. direct messages
c. instant messages d. all of them

80 To be safe online use ..... password for your accounts.
a. Strong b. different c. both a and b d. same

2 Put (✓) or (✗) in Front of the following sentences:

1. Paraclimbing tools help people with limb differences climb. (....)
2. People of determination cannot use assistive technology. (....)
3. PowerPoint is used to prepare digital reports on various topics. (....)
4. While searching on the internet you can use (-) sign before words that you want to avoid (exclude) in search results. (....)
5. The CPU communicates directly with the operating system. (....)
6. GPR stands for Ground Penetrating Radar. (....)
7. Touch screens can be used both for input and output functions. (....)
8. A magnetometer uses radar to find objects underground. (....)
9. All computer devices have the same shape. (....)
10. It is important to save your work regularly when using a computer. (....)
11. The common graph is pie graph. (....)
12. PowerPoint doesn't allow adding effect images to slides. (....)
13. Banned Sites may publish accurate, immoral, and harmful material. (....)
14. Collecting data is the last step in problem solving. (....)
15. It is not necessary to know the identity of the person you are having a conversation with over the Internet. (....)
16. PowerPoint is considered an interesting way to present other people's ideas (....)
17. Upload file mean that you can save it in your device. (....)
18. Over usage of technology devices may cause eye strain and headaches. (....)
19. The CPU is a software used to process data. (....)
20. Windows is an operating system. (....)
21. You can seek help from the cybercrime department if your personal information and accounts have been stolen. (....)
22. Emails are a form of virus that can be sent to your device. (....)
23. The CPU processes data comes from operating system. (....)
24. PowerPoint doesn't allow you to add video to slides. (....)
25. Microsoft Word is an example of hardware. (....)
26. The operating system helps open and run programs. (....)

27 The speech synthesizer is an input device. (....)
28 Collaboration is the repeated behavior of one person towards another person. (....)
29 PowerPoint can be used to create a presentation like a book. (....)
30 Assistive technology helps only scientists. (....)
31 Screen magnification software helps people with hearing problems. (....)
32 Hearing aids help people with speech problems. (....)
33 The password "VtM!@QdvL756" is considered a strong password. (....)
34 Alternate communication software helps people with speech disabilities. (....)
35 PowerPoint doesn't allow you to make brightly colored advertising posters (....)
36 You can ask your teacher to help you solve problems you face online (....)
37 By using images, you can search for information instead of words. (....)
38 You can share information about your friends on social media sites without their permission. (....)
39 Browsers specialized for kids allow parents to supervision their kids. (....)
40 All people online are kind and trustworthy. (....)
41 Anti-virus software is used to protect your files on your computer from damage. (....)
42 You can share a video that may cause you or your friends embarrassment and harm. (....)
43 You must make sure that the collected information about a phenomenon or a problem is trusted. (....)
44 Browsers specialized for kids display suitable content for their age. (....)
45 You can mention a friend on social media sites using the tag. (....)
46 The password "123abc" is considered one of the strong passwords that can be used for your electronic accounts. (....)
47 Graphs are a good way to display and compare results. (....)
48 Virus track your information. (....)
49 It's preferable to use an accurate keyword to get better search results. (....)
50 Safe browsers send an alert to users when they try to visit banned site. (....)

51 Your personal information should be public for all users to see and save. (....)
52 It's not important to credit a source that provides you with information. (....)
53 One of the negative effects of using ICT is communication with friends. (....)
54 It is important to have a strong password to protect your online accounts. (....)
55 Viruses are useful software for your computer. (....)
56 Rover C4 creates 3D images of scanned areas. (....)
57 Harmful and inappropriate posts are considered a form of cyberbullying. (....)
58 Magnetometers are used to detect satellites. (....)
59 GPS relies on satellites to find locations. (....)
60 GPR is used to find objects underground. (....)
61 Satellites are used underground. (....)
62 A computer can be used to play games and browse the Internet. (....)
63 The microphone is an output device. (....)
64 The printer is used to output documents on paper.
65 The user is the most important part of the computer system. (....)
66 surveys are considered the most common source of collecting data. (....)
67 Use what you learned to stay safe and happy while online that mean Learning is power. (....)
68 You should use ICT tools wisely and ethically. (....)
69 It is preferred to graph the data collected about a problem before analyzing it. (....)
70 Computers and smartphones are used to communicate via the Internet. (....)
71 When you tag someone, they can see your post. (....)
72 Identity theft is when others use your personal information or social media accounts without your permission. (....)
73 You should not respect the law while using the Internet. (....)
74 Paint program is one of the useful ICT tools for analyzing and graphing data. (....)
75 You should share your address and school name on social media. (....)

76 Bullying is when one person repeatedly behaves badly towards another person. (....)

77 The Rover C4 is designed to search for buried treasure and metal objects underground, such as gold. (....)

78 Braille terminals and speech synthesizers are used to help people with disabilities communicate effectively. (....)

79 The first step in writing in a word processing program is to enter data by typing on the keyboard. (....)

80 To solve the problem of the screen not displaying information, press Del + Alt + Ctrl together for a short time. (....)

Answers

1

1 C	2 C	3 a	4 b	5 C	6 C	7 C	8 d	9 a	10 C
11 b	12 C	13 C	14 C	15 b	16 b	17 d	18 C	19 C	20 C
21 C	22 b	23 C	24 C	25 C	26 a	27 C	28 C	29 a	30 C
31 b	32 b	33 b	34 d	35 C	36 a	37 a	38 d	39 b	40 b
41 b	42 d	43 C	44 a	45 b	46 a	47 b	48 a	49 a	50 d
51 d	52 a	53 b	54 a	55 C	56 d	57 b	58 a	59 d	60 C
61 d	62 a	63 a	64 b	65 b	66 a	67 a	68 a	69 b	70 C
71 a	72 b	73 b	74 C	75 b	76 d	77 a	78 b	79 d	80 C

2

1 T	2 F	3 T	4 T	5 T	6 T	7 T	8 F	9 F	10 T
11 F	12 F	13 F	14 F	15 F	16 T	17 F	18 T	19 F	20 T
21 T	22 F	23 T	24 F	25 F	26 T	27 F	28 F	29 T	30 F
31 F	32 F	33 T	34 T	35 F	36 T	37 T	38 F	39 T	40 F
41 T	42 F	43 T	44 T	45 T	46 F	47 T	48 T	49 T	50 T
51 F	52 F	53 F	54 T	55 F	56 T	57 T	58 F	59 T	60 T
61 F	62 T	63 F	64 T	65 T	66 T	67 T	68 T	69 F	70 T
71 T	72 T	73 F	74 F	75 F	76 T	77 T	78 T	79 T	80 T